



# *Logistics Officer Association*

*National Conference 2003*

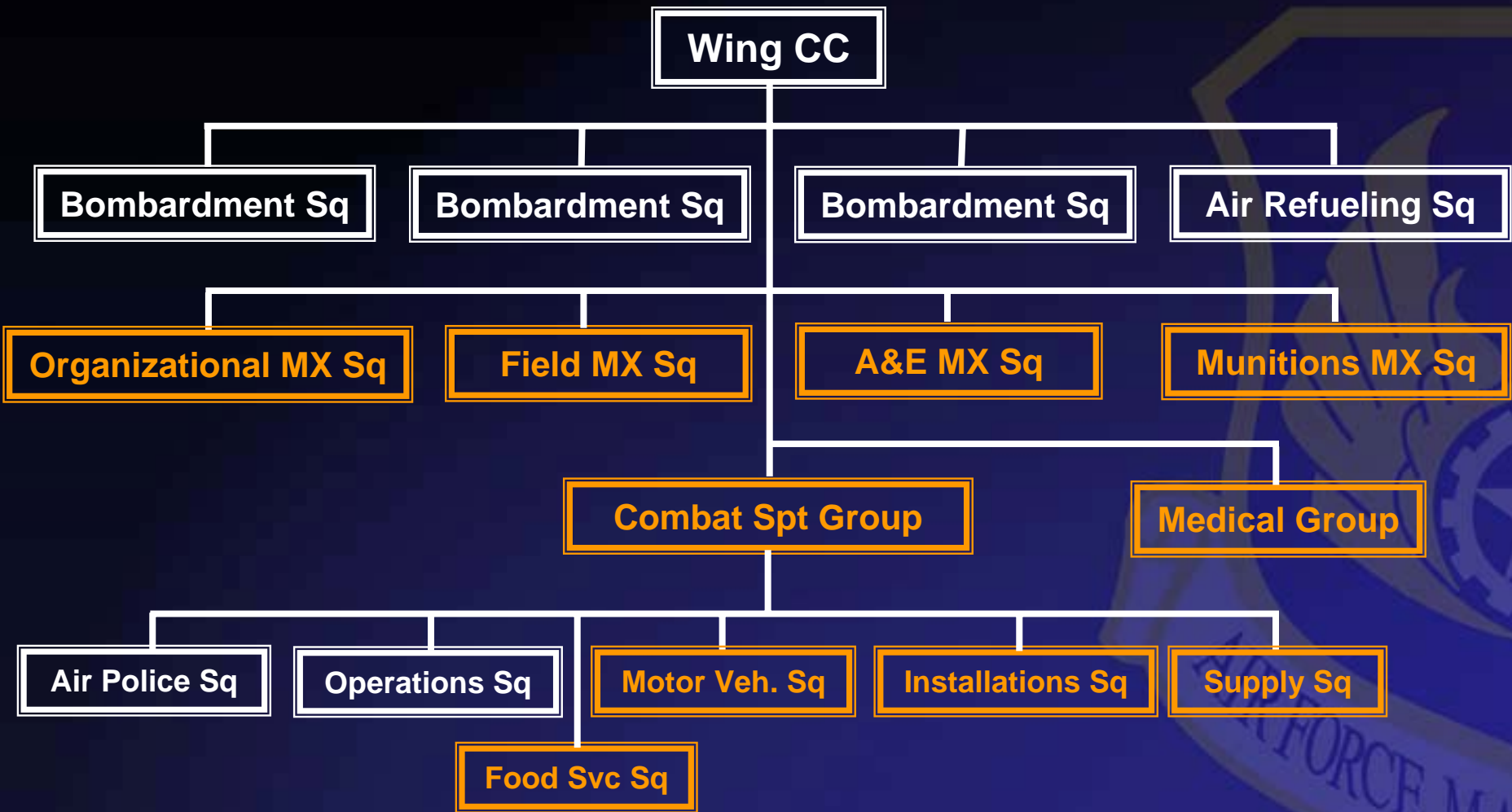
**Gen G. S. Martin**  
**16 Oct 03**

# Definitions of Logistics

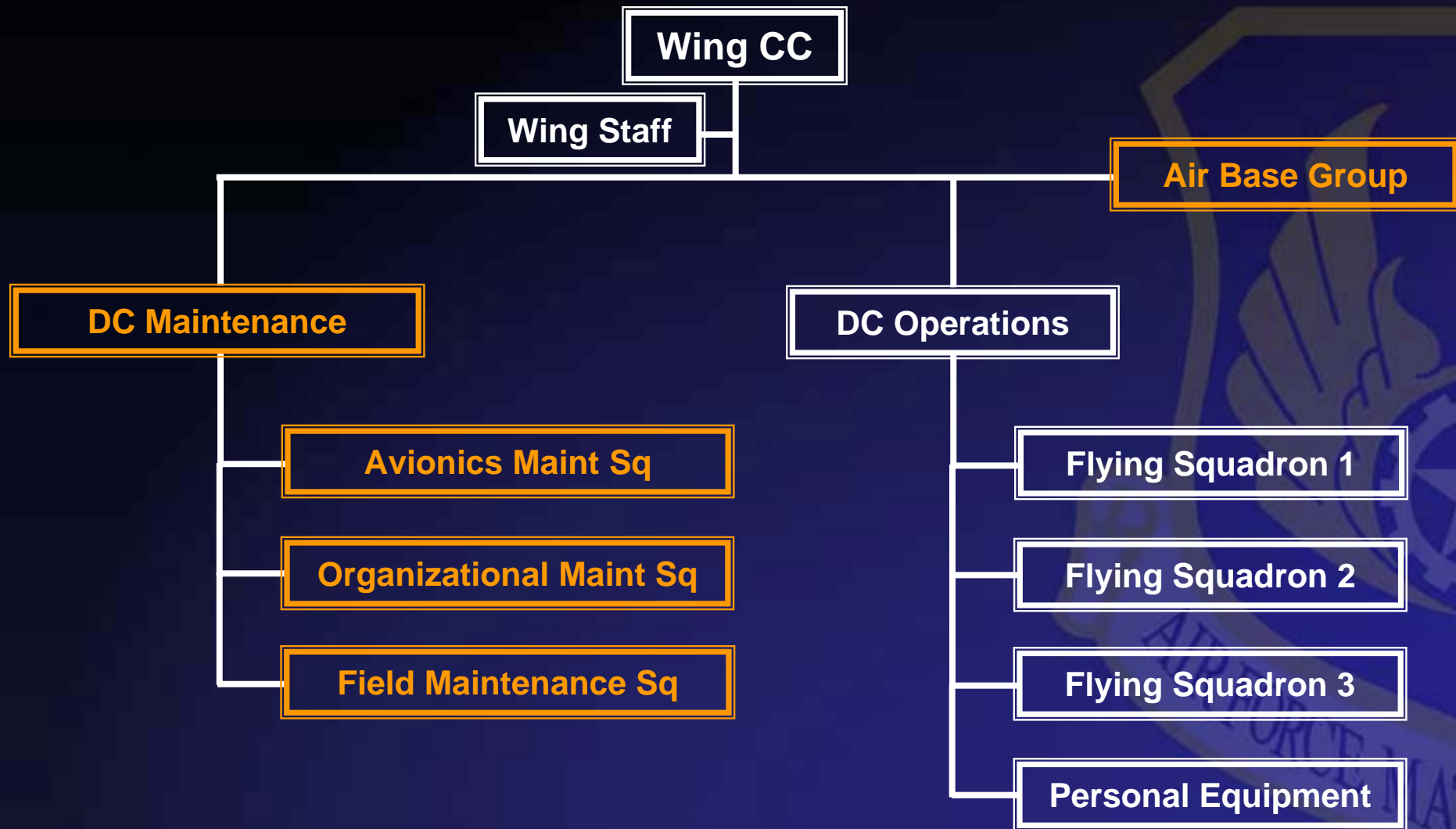
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- The aspect of military science dealing with the procurement, maintenance, and transportation of military materiel, facilities, and personnel
  - Webster's
- The science of planning and carrying out the movement and maintenance of forces...
  - JCS Pub 1
- Moving the right items to the right place at the right time in the most efficient manner
  - An unwashed logistician

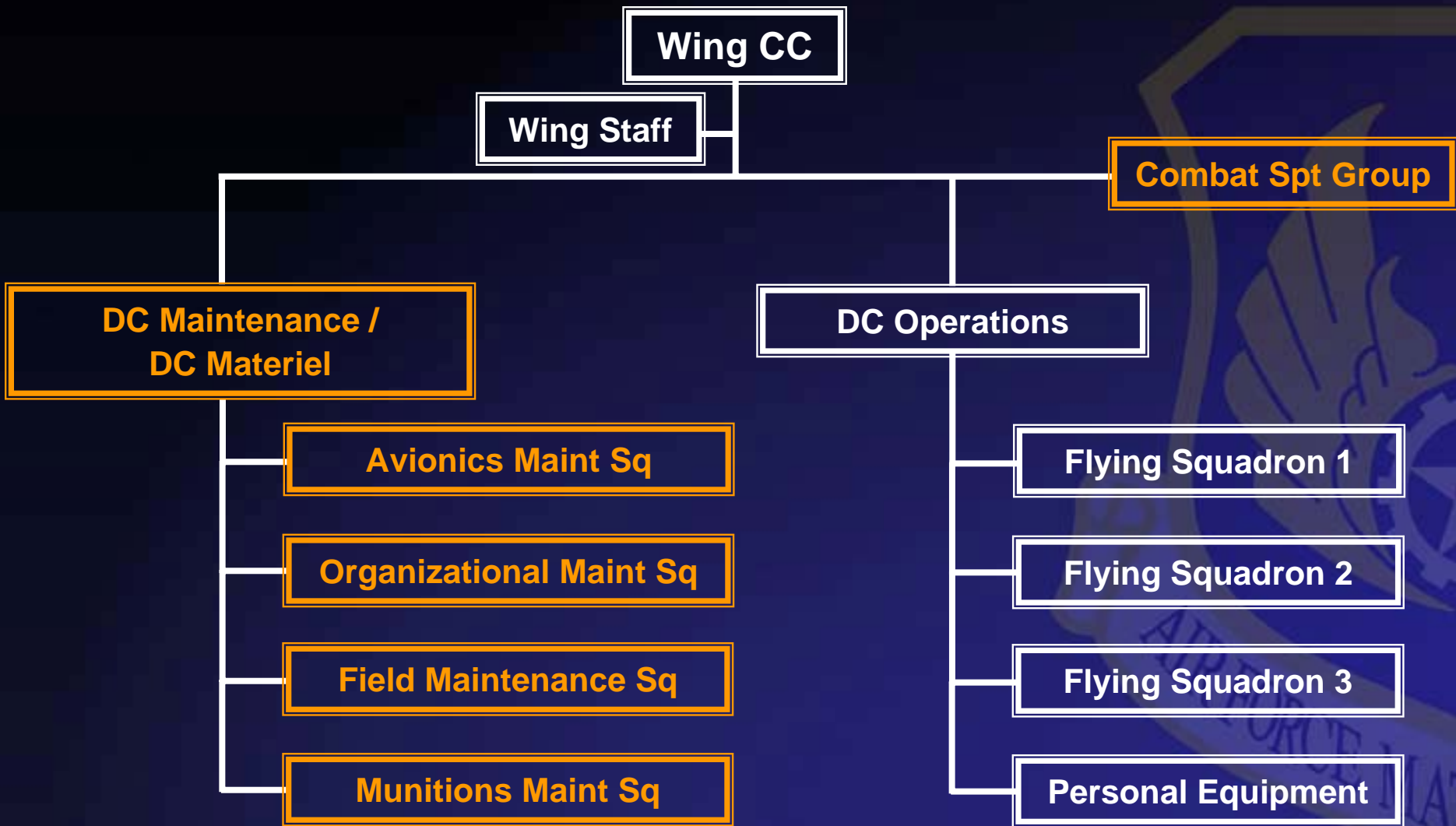
# Historical Perspective – SAC (1950s)



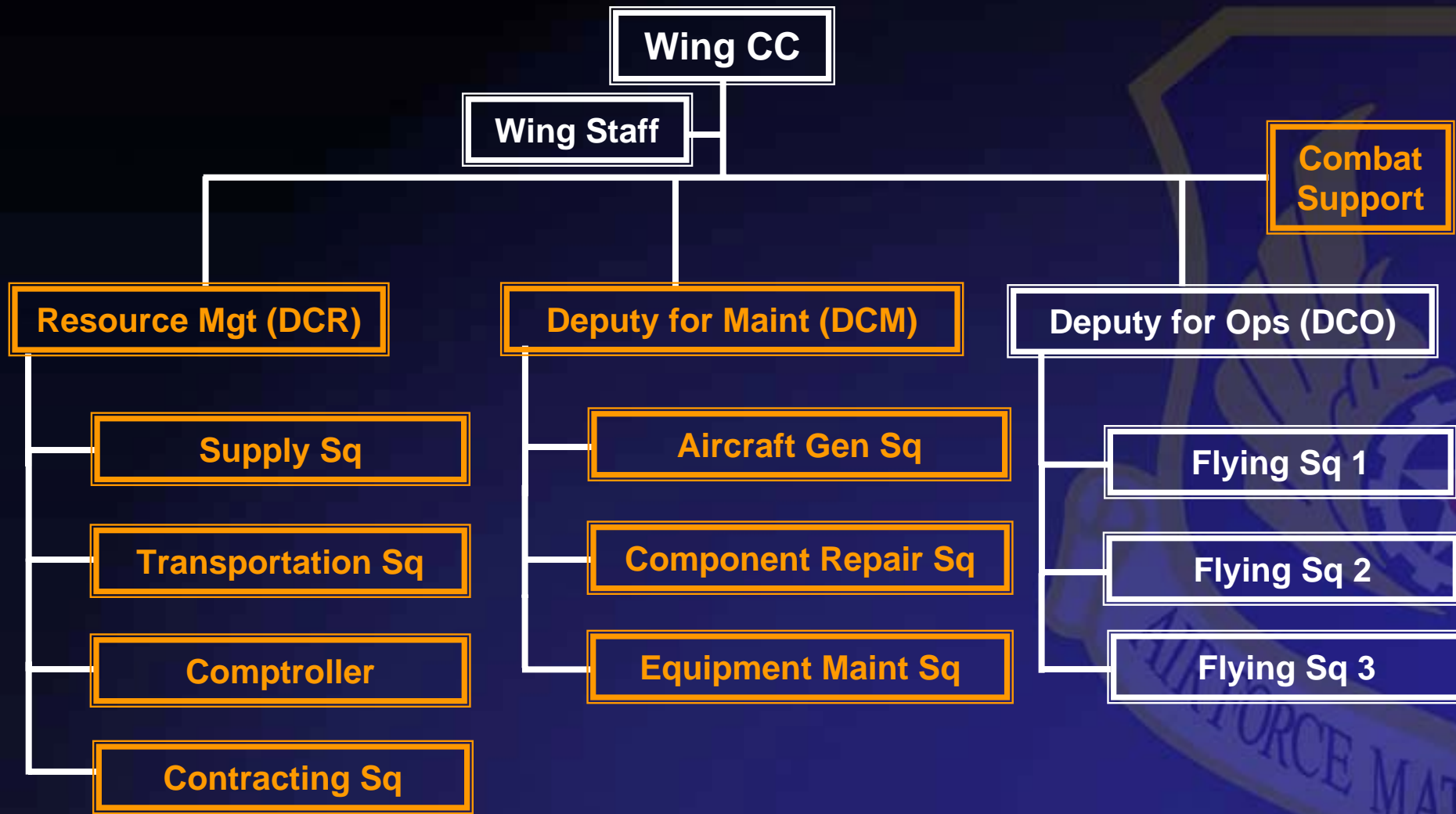
# Historical Perspective – 1<sup>st</sup> FW (1961)



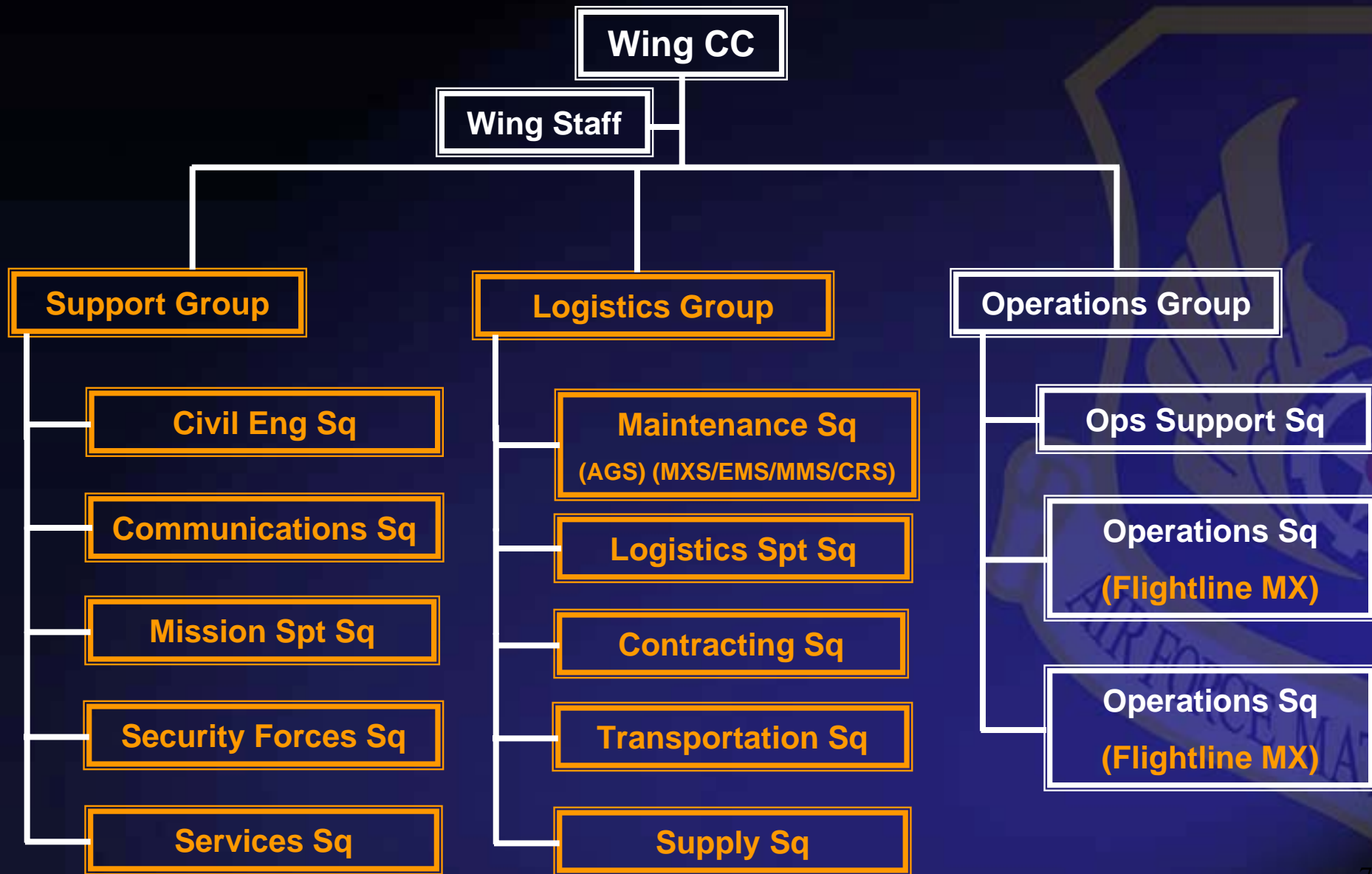
# AFR 66-1 (1962-1978)



# Combat Oriented Wing (1978-1991)

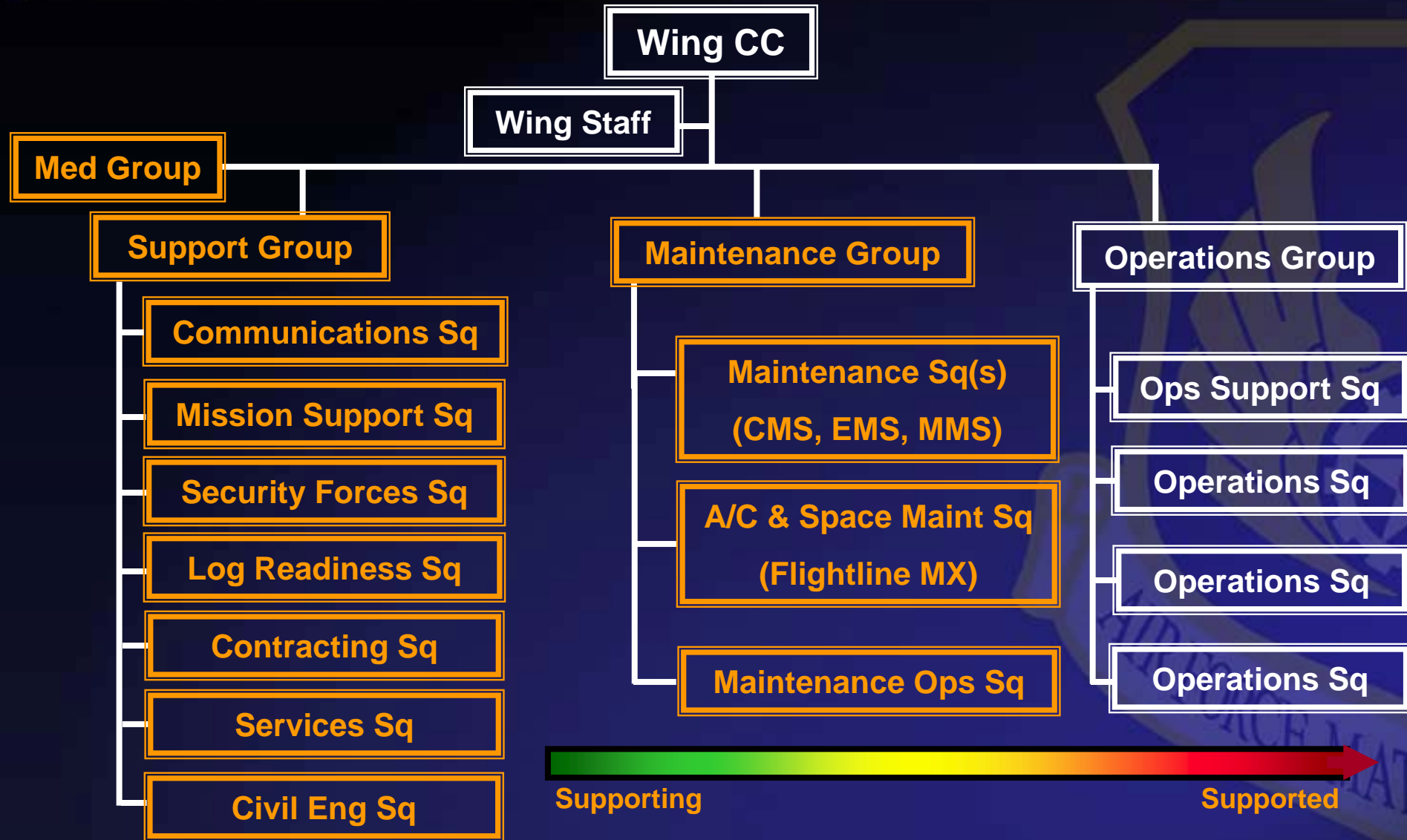


# Objective Wing (1992-2002)





# Combat Wing (2002+)





# Present Day Model

Logistics

Maintenance

Operations

Supporting ← → Supported



# Present Day Model – A Depot Example

## Before

Mechanic ordered everything at beginning of process

- Parts stored helter-skelter
- No inventory visibility
- Continual parts shortages
- Manual process

*Excessive Inventory Costs*  
*Unacceptable throughput*  
*Mechanics improperly utilized*



# Present Day Model – A Depot Example

## After

Supply managed for “Just-in-Time”

- Parts “pull system”
- Only parts required are ordered
- Total visibility of all parts
- Material control via process

*Schedule driven shop floor*  
*Reduced DMAG Inventory Cost*  
*Mechanics better utilized*





# Operation DESERT STORM

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- Value of a Single ATO
- Conduct of Parallel Operations
- Importance of the Air Operations Center
- Need for All-Weather Precision Strike
- Need for Theater-Responsive Intel & BDA
- *Need for Less Footprint and More Rapid Deployment*



# Operation DELIBERATE FORCE

- Value of a Single ATO
- Conduct of Parallel Operations
- Importance of the Combined Air Operations Center
- Need for All-Weather Precision Strike
- Need for Theater Intelligence Preparation of the Battlespace (IPB), Nodal Analysis, Responsive Intelligence & BDA Updates
- ***Need for Less Footprint and More Rapid Deployment***
- Value of Interoperability



# Operation ALLIED FORCE

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- Value of Single ATO
- Conduct of Parallel Operations
- Importance of the Combined Air Operations Center
- Need for All-Weather, All-Altitude Precision Strike with Discriminate Effects
- Need for Theater IPB, Nodal Analysis, and Persistent, Responsive Intelligence & BDA Updates
- *Need for Less Footprint and More Rapid Deployment (CIRF)*
- Value of Interoperability
- Need to Conduct Sensor to Strike in Single-Digit Minutes
- *Ability to Quickly Stand Up Large Number of Bases*





# Operation ENDURING FREEDOM

- Value of Single ATO
- Conduct of Integrated Planning & Execution
- Importance of the Combined Air Operations Center
- Need for Persistent, All-Weather, All-Altitude Theater Precision Strike with Discriminate Effects
- *Need for Less Footprint and More Rapid Deployment*
- Value of Interoperability
- Need for Theater IPB, Nodal Analysis, and Persistent, Responsive Intelligence & BDA Updates
- Need to Conduct Sensor to Strike in Single-Digit Minutes
- *Ability to Quickly Stand Up, Operate From & Sustain Large Number of Bases*
- *Need for Global Access*
- Concept of Executing Ops from Reach-Back Locations
- Value of Humanitarian Assistance in War





# Operation IRAQI FREEDOM

- Value of Single ATO
- Conduct of Fully Integrated Planning & Execution
- Importance of the Combined Air Operations Center
- Need for Persistent, All-Weather, All-Altitude, Theater Precision Strike with Discriminate Effects
- ***Need for Less Footprint and More Rapid Deployment***
- Value of Interoperability
- Need for Theater IPB, Nodal Analysis, and Persistent, Responsive Intelligence & BDA Updates
- Need to Conduct Sensor to Strike in Single-Digit Minutes
- ***Ability to Quickly Stand Up, Operate From & Sustain Large Number of Bases***
- ***Need for Global Access***
- Concept of Executing Operations from Reach-Back Locations
- Value of Humanitarian Assistance in War
- Importance of Simultaneous, Multi-Access Operations
  - Kinetic & Non-Kinetic



# Common Threads...

After 5 Conflicts in 12 Years

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- *Need for Global Access*
- *Need for Rapid Stand-Up and Sustainment of Bases*
- Force Multiplying Effect of the Combined Air Operations Center
- Importance of Fully Integrated Planning and Execution
- Value of Interoperability
- Persistent, Theater-Responsive ISR & Strike with Discriminate Effects -- Kinetic & Non-Kinetic
- Importance of Humanitarian Relief Operations

# Yet to Be Done

- More lethality per deployed weapon system
- More reliable weapon systems and components
- Electronic TOs – Centrally updated
- Seamless strategic/in-theater just-in-time delivery
- Flawless in-transit asset visibility
- Automated reach back parts/status ordering process



